

CUBE CONSOLIDATING



Solid/Liquid Separation Specialists

COMPANY
PROFILE

CUBECONSOLIDATING.COM





About Cube Consolidating

Established in 2013 by Luke Adams and Boris Struwig, **Cube Consolidating** is a South African-based engineering company with a growing global presence. We specialise in liquid separation and filtration solutions across industries such as mining, food & beverage, and other process-driven sectors.

Our strength lies in providing complete, integrated solutions—from initial concept through to full EPCM (Engineering, Procurement, and Construction Management) delivery. With a focus on process engineering, custom design, and fabrication, we transform complex technical requirements into high-performance systems using detailed 3D modelling and precise specification alignment.

Every solution we deliver is built around efficiency, durability, and long-term value. We optimise equipment utilisation, streamline production, and enhance operational reliability—ensuring that each project performs not just on paper, but in practice.

At **Cube Consolidating**, we're driven by innovation and grounded in trust. Our mission is simple: to engineer smarter, cleaner, and more sustainable systems while building strong, enduring partnerships with every client.



Luke Adams and Boris Struwig, Directors



Mission

At **Cube Consolidating**, our mission is to drive the transformation of solid-liquid separation processes across industries. We are committed to advancing sustainability, pushing the boundaries of innovation, and delivering tailored solutions that help our clients operate more efficiently while reducing their environmental impact.

Guided by technical excellence, forward-thinking collaboration, and a bold vision for the future, we strive to make the world cleaner, greener, and more sustainable—one separation at a time.

Vision

Our vision at **Cube Consolidating** is to be the definitive global leader in solid-liquid separation solutions. We aim to reshape industry expectations through innovation, setting new benchmarks for efficiency, sustainability, and technical precision.

We envision a future where our customised, sustainable technologies form the backbone of more innovative solutions—where collaboration drives progress and every project contributes meaningfully to environmental stewardship. Through every process we deliver, we aspire to leave a lasting legacy of impact, excellence, and responsibility.

ENGINEER



INNOVATE



ELEVATE



SEPARATE

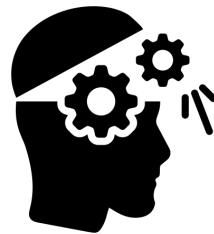




Core values

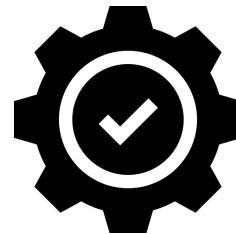
At **Cube Consolidating**, we believe a business cannot flourish without clearly defined guiding principles. Our core values serve as the foundation of everything we do—they shape our culture, influence our decisions, and define how we engage with clients, partners, and each other.

In an industry where reliability and professionalism are paramount, these values keep us grounded and shape the way we work. They ensure consistency in our output, clarity in our purpose, and integrity in our actions. More than just words on a page, our core values are lived out daily by every member of our team. They drive excellence, foster trust, and enable us to build lasting relationships while remaining true to who we are.



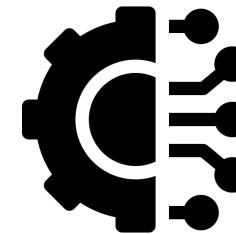
INNOVATION

We embrace continual improvement through advanced technology and forward-thinking engineering solutions.



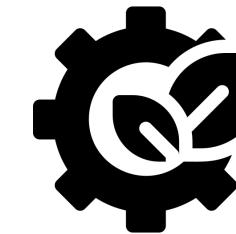
QUALITY

We are dedicated to delivering premium equipment and services that meet the highest standards.



INTEGRITY

Our business is built on ethical practices, transparency, and trust in every client relationship.



SUSTAINABILITY

We prioritize environmentally responsible operations and are committed to long-term, sustainable solutions.



CUSTOMER-FOCUS

The customer always comes first, and we focus on delivering tailored solutions that exceed customer expectations.



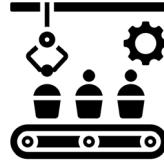
Industries we serve

Cube Consolidating partners with clients across a range of demanding sectors, delivering precision-engineered solutions tailored to each industry's specific challenges and compliance requirements.



MINING & MINERAL PROCESSING

Cube Consolidating offers various separation, filtration and materials handling solutions within the mining industry.



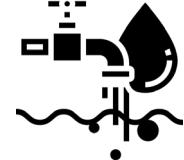
FOOD & BEVERAGE

Our equipment solutions within the food & beverage industry help ensure efficient solid-liquid separation while remaining cost and time effective.



WASTEWATER TREATMENT

Engineered Clarifiers, Thickeners, and filtration systems for efficient and sustainable treatment solutions.



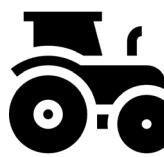
POTABLE WATER TREATMENT

Filtration and disinfection through Reverse Osmosis, DAF systems, and other technologies engineered to deliver safe, reliable drinking water.



CHEMICAL INDUSTRY

Solid-liquid separation is a foundational process in chemical manufacturing, enabling the efficient extraction, purification, and concentration of chemical compounds.



AGRICULTURE

Effective management of wastewater is the extraction of valuable nutrients and the treatment of irrigation water. These processes reduce environmental impact and improve resource efficiency.



PULP & PAPER

Solid-liquid separation is crucial as it is used in the raw material stages for pulping and bleaching, as well as process water treatment ensuring environmental compliance.



PETROCHEMICAL

Process systems handle the demanding conditions of petrochemical processing, ensuring the removal of contaminants and the production of high-purity outputs.



Products

THICKENERS

Thickeners are used in continuous process applications where solid-liquid separation by sedimentation is involved. In some applications, Thickeners recover valuable solids, while in others, liquids are recovered.



CLARIFIERS

Clarification is the process in which solids are removed from liquid. The primary function of a Clarifier is to produce a clear or solid-free liquid, rather than a concentrate. Our Clarifiers are designed to produce a clear liquid overflow and high-density underflow.



FLOCCULANT PLANTS

Flocculants are polymers that promote flocculation by the formation of bridges between themselves and thus become suspended particles. Designed for a set consumption rate with various strengths, which results in successful inline dilution using inline static mixers.



REAGENT PLANTS

Cube Consolidating offers a selection of Reagent Plants with various bulk storage options. Our Reagent Plants are available in a range of sizes based on volumetric flow, retention, and hydration time to meet the process demand.



LINEAR SCREENS

Cube Consolidating provides a wide range of horizontal Linear Screens for the removal of trash, fibre, and wood chips for various industries.





Products

INCLINED PLATE SETTLERS

An Inclined Plate Settler (IPS) is a type of settler designated to remove particulates from liquids. Inclined plates provide a large effective settling area for a small footprint. Inclined Plate Settlers decrease the settlement rate in a faster timespan.



DAF SYSTEMS

Our DAF systems are specially designed to remove or reduce suspended solids, fats, oils and greases (FOG), biological oxygen demand (BOD), chemical oxygen demand (COD) and volatile organic carbons (VOCs).



REVERSE OSMOSIS

Our RO Plants are designed to be robust and stand-alone units for a wide range of applications where high-quality equipment for water is required. Our plants are compact and easy to install.



DUAL MEDIA FILTERS

The term media filter, as applied to water treatment, refers to the removal of suspended solids from water. In most cases it is the last stage in the pretreatment of water for removal of undissolved impurities prior to treatment by Ion Exchange or by Reverse Osmosis.



AERATION SYSTEMS

Aeration is used in water treatment as a pretreatment in the process of removing iron and hydrogen sulphide (rotten egg smell) from water. It reduces hydrogen sulfide to elemental sulphur, which is easily removed from water process systems.



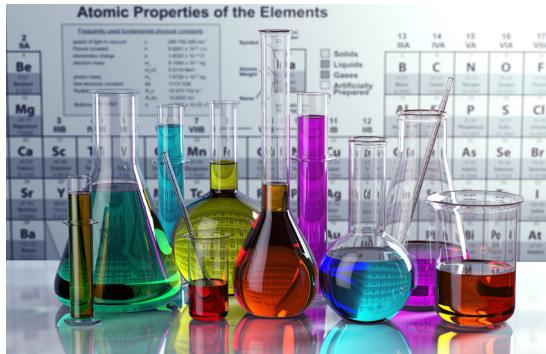


Services

Cube Consolidating delivers a comprehensive suite of engineering services tailored to meet the diverse needs of process, treatment, and purification systems.

Our expertise includes laboratory testing, research and development (R&D), plant modelling, engineering design, project management, technical training, and process optimisation. From concept to completion, we provide the insight and technical precision required to support efficient, reliable, and future-ready operations.

LAB WORK



Cube Consolidating provides laboratory-scale testing to evaluate key processes such as flocculation, coagulation, flotation, and clarification.

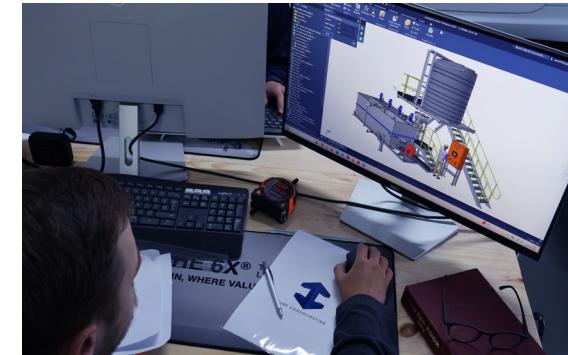
Our lab services support both gravity and pressurised filtration methods, offering critical insights before moving into full-scale operations.

RESEARCH & DEVELOPMENT



Our R&D team applies deep industry knowledge, historic data, and advanced methodologies to develop cost-effective, energy-efficient process solutions. We innovate with intent—driving performance improvements through every phase of system development.

MODEL DESIGN



We design 3D models to simulate real-world conditions, allowing for thorough process refinement. These models enable accurate upscaling, with data-driven adjustments that improve efficiency and effectiveness before full implementation.



Services

PROJECT MANAGEMENT



From concept to commissioning, we manage projects with precision. Our team ensures streamlined execution, ongoing communication, and proactive updates—delivering results that meet expectations and timelines.

COMMISSIONING & TRAINING



Cube offers both on-site and classroom-based training to equip client teams with practical expertise. Our programmes ensure smooth handover and long-term system performance through operational understanding and service excellence.

MODERNISATION



We optimise and upgrade existing systems through targeted modifications designed for better efficiency and performance. Our tailored improvements enhance productivity, service quality, and long-term return on investment.

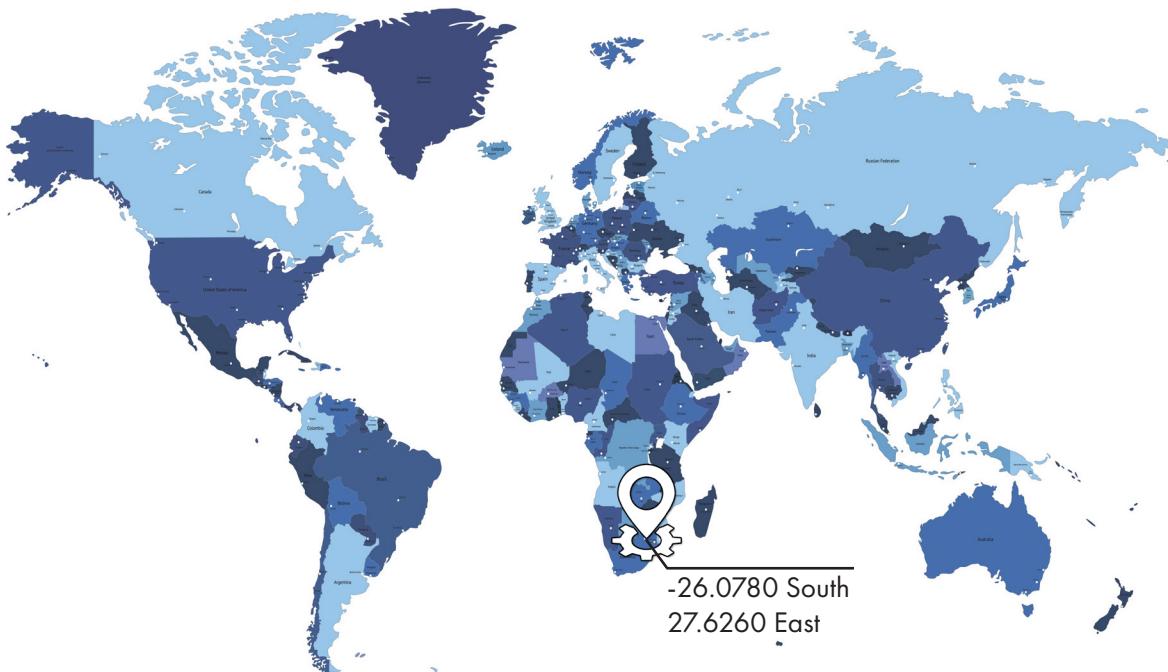
ENGINEERING EQUIPMENT DESIGN

At **Cube Consolidating**, we don't guess—we design. Using AutoCAD, Autodesk Inventor, and advanced 3D tools, we transform complex ideas into fully visualised systems that work on paper before construction. Our team bridges concept and execution, creating clear, interactive schematics that clients can trust. Whether scaling operations, retrofitting infrastructure, or launching new projects, our models deliver clarity and confidence. Every design is backed by industry experience, technical insight, and a drive for efficiency. We collaborate precisely and deliver solutions built to perform today and tomorrow.

At **Cube Consolidating**, great design doesn't just support the process—it is the process.



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